

Customer No. 24498
Attorney Docket: RCA88783
Final Office Action Date: 03/03/2008

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IN THE CLAIMS:

Please amend the claim listing as follows:

1. (Cancelled)

2. (Cancelled)

3. (Currently amended) ~~The method of Claim 2~~ A method for managing access

to a signal representative of an event of a service provider, said method comprising:

(a) receiving said signal in a smart card, said signal being scrambled using a scrambling key;

(b) receiving, in said smart card, data representative of a first seed value, the first seed value representing a first point in a coordinate system;

(c) generating, in said smart card, said scrambling key using said first seed value and a second seed value in a predetermined function, the second seed value representing a second point in the coordinate system, whereby secret sharing is implemented, said second seed value being permanently stored in said smart card, wherein said first and second seed values are points on a Euclidean plane; and

(d) descrambling, in said smart card, said signal using said generated scrambling key to provide a descrambled signal,

wherein the step of generating said scrambling key comprises calculating the Y-intercept of a curve formed on said Euclidean plane by said first and second seed values.

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4. (Previously Presented) The method of Claim 3 wherein said smart card has a card body having a plurality of terminals arranged on a surface of said card body in accordance with one of ISO 7816 and PCMCIA card standards.

5-7. (Canceled)

8. (Previously presented) The method of Claim 3 wherein the curve is a polynomial and further comprising constructing the curve using the first and second seed values.

9. (Previously presented) The method of Claim 3 further comprising allocating a unique and non-overlapping range of first seed values for the service provider.